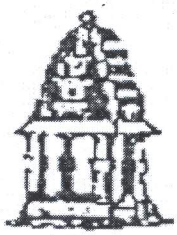

BRUHAT BENGALURU MAHANAGARA PALIKE

YALAHANKA ZONE

KODIGEHALLI SUB DIVISION

NAME OF WORK :CONSTRUCTION OF HOSPITAL BULDING AT GOVT. SCHOOL ROAD JAKKUR IN WARD NO 5. JAKKUR.

ESTIMATE COST:-17.00 LAKH

BRUHATH BANGALORE MAHA NAGARA PALIKE

YALAHANKA ZONE — KODIGEHALLI SUB DIVISION

CONSTRUCTION OF HOSPITAL BUILDING AT GOVT. SCHOOL ROAD JAKKUR IN WARD NO 05. JAKKUR.

ESTIMATED COST: **17,00,000.00**

Sl No	Specification	Unit	No	Measurement			Qty	Rate	Amount
				Length	Breadth	Depth			
1	2	3	4	5	6	7	8	9	10
1	KSRB2-1.2Earthwork in surface excavation ordinary soil for leveling and lowering the ground(other than foundation of buildings, culverts,road drains and trenches for pipe lines and cables)and removing the excav-ated stuff to a distance not exceeding 50m and lift upto 1.50m ecavated surface levelled and neatly dressed,disposed earth to be levelled after breaking of and neatly dressed as per specification. Specification NO KBS 2.1(b)/2.3.1 Page No-5 item No 2.1 Page No 5		1	20.00	10.00	0.20	40.00		
							40.00	169.56	6782.40
								Cum	
	Basic Rate	157.00							
	Add Weightage 8%	12.56							
	Total	169.56							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 Item No 2.4 Page No 5								
	Allround Walls		1	48.52	0.90	1.05	45.85		
	Both & Toilet Partetion		1	8.58	1.50	0.30	3.86		
	Earth Cutting		1	3.62	1.50	0.30	1.63		
						NET QTY	51.34	305.64	15691.99
								Cum	
	Basic Rate	283.00							
	Add Weightage 8%	22.64							
	Total	305.64							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.3 Page No 12.								
	Allround Walls		1	48.52	0.90	0.15	6.55		
	Both & Toilet Partetion		1	8.58	0.70	0.15	0.90		
	Earth Cutting		1	3.62	0.75	0.15	0.41		
						NET QTY	7.86	5256.36	41306.32
								Cum	
	Basic Rate	4867.00							
	Add Weightage 8%	389.36							
	Total	5256.36							

4 KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Item No 5.6 Page No 23.

	1	48.52	0.75	0.4	14.56		
	1	8.58	0.5	0.4	1.72		
			NET QTY		16.27	4521.96	73581.33

Basic Rate	4187.00
Add Weightage 8%	334.96
Total	4521.96

5 KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Item No 5.9 Page No 23.

	1	48.52	0.45	0.6	13.10		
	1	8.58	0.45	0.45	1.74		
			NET QTY		14.84	5405.40	80204.51

Basic Rate	5005.00
Add Weightage 8%	400.40
Total	5405.40

6 KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 Item No 4.11

	1	48.52	0.45	0.10	2.18		
	1	8.58	0.45	0.10	0.39		
	1	56.60	0.20	0.20	2.26		
	1	9.80	0.20	0.20	0.39		
	8	1.20	0.20	0.10	0.19		
	3	0.75	0.20	0.10	0.05		
	1	4.20	1.35	0.10	0.57		
Window Chejjas	8	1.20	0.45	0.08	0.32		
Partation Walls Floor Beams	4	1.50	0.2	0.30	0.36		
Floor Beams	1	48.52	0.20	0.30	2.91		
Main Beem	1	4.90	0.20	0.30	0.29		
Roof	1	15.40	0.25	0.45	1.73		
	1	15.40	6.75	0.15	15.59		
			NET QTY		27.24	6491.88	176862.83

Basic Rate	6011.00
Add Weightage 8%	480.88
Total	6491.88

Cum

7 KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2 Item No 2.13 Page No 6.

Both	1	1.6	1.3	0.35	0.73		
Passage	1	1.3	1.15	0.35	0.52		
Toilet	1	1.3	1.15	0.35	0.52		
Word	1	4.7	4.4	0.4	8.27		
Examination	1	6.15	3.55	0.4	8.73		
					18.78	2305.80 Cum	43301.77

Basic Rate	2135.00
Add Weightage 8%	170.80
Total	2305.80

8 KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No 5.27. Page No 25

	2	15.4	3	92.40		
	4	6.35	3	76.20		
	1	4.9	3	14.70		
	2	1.5	3	9.00		
	1	1.7	3	5.10		
	1	1.5	3	4.50		
	1	4.2	0.6	2.52		
	2	6.35	0.6	7.62		
				212.04		
DEDUCTIONS	1.00	2.00	2.10	4.20		
D1	2.00	0.90	2.10	3.78		
D2	3.00	0.75	2.10	4.72		
W	8.00	0.90	1.20	8.64		
V	4.00	0.60	0.45	1.08		
	1.00	4.90	0.30	1.47		
	3.00	0.25	0.45	0.34		
				24.23		
				187.81	979.56 Sqm	183973.61

Basic Rate	907.00
Add Weightage 8%	72.56
Total	979.56

9 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Item No 4.46.1

	Qntl					
120 Kg/Cum		122.00	56.68	6914.96		
				6.91	60534.00	418590.19

Basic Rate	56050.00
Add Weightage 8%	4484.00
Total	60534.00

10 Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. Page No 40 Item No 7.26

Doors	2	0.90	2.10	3.78		
			Net Qty	3.78	3780.00	14288.40
					Sqm	

Basic Rate	3500.00
Add Weightage 8%	280.00
Total	3780.00

11 "Supplying and fixing pressed steel window frame of size 100 x 50mm manufactured from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S. grills as per design and drawings using 12mm dia rods at 100mm Centre to Centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S. flats with 16mm size lugs, and 8 Nos. of 100mm size hinges, 4 Nos of Butt Stay pins and 4 Nos. Tower bolts and shutters half panelled and hallf glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100mm width and rails of 30mm thick and 100mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years.This shall be as per approved drawing, specification and direction including cost of conveyance, manufacturing painting with 2 coats enamel paint over one coat of primer, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift loading and unloading etc., complete. Item No 7.27 Page No 40

W	8	0.9	1.2	8.64		
V	5	0.6	0.45	1.35		
				9.99	4104.00	40998.96
					Sqm	

Basic Rate	3800.00
Add Weightage 8%	304.00
Total	4104.00

12 KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 Item No 4.18 page No 15

Both	1	1.8	1.5		2.7		
Toilet	1	1.5	1.3		1.95		
Word	1	4.9	4.6		22.54		
Both Side	2	4.9		0.45	4.41		
Hall	1	6.35	3.75		23.81		
	2	3.75		0.45	3.38		
	1	5.95	4.65		27.67		
	1	4.25	1.7		7.23		
	2	5.95		0.45	5.36		
				Net Qty	99.035	338.04	33477.79

Basic Rate	313.00
Add Weightage 8%	25.04
Total	338.04

13 KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Item No 4.34 Page No 16

2	48.52	0.1		9.70		
2	10.7	0.1		2.14		
2	48.52		0.2	19.41		
2	9.80		0.20	3.92		
1	4.20	1.35		5.67		
8	1.20	0.45		4.32		
			Net Qty	45.16	276.48	12486.39

Basic Rate	256.00
Add Weightage 8%	20.48
Total	276.48

14 KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.21 page No 114.

1	1.80	1.5	2.70
1	1.70	1.35	2.295
1	1.50	1.3	1.95
1	4.90	4.6	22.54
1	6.35	3.75	23.81
1	5.95	4.65	27.67
1	4.25	1.7	7.23
1	1.50	1.5	2.25

				90.44	**208.44**	**18851.31**
	Basic Rate	193.00		Sqm	
	Add Weightage 8%	15.44			
	Total	208.44			

15 KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.9 Page No 113.

	2	1.80	3.00	10.80
	2	1.50	3.00	9.00
	2	1.70	3.00	10.20
	1	1.30	3.00	3.90
	2	1.30	3.00	7.80
	2	1.50	3.00	9.00
	2	4.90	3.00	29.40
	2	4.60	3.00	27.60
	2	3.75	3.00	22.50
	2	6.35	3.00	38.10
	1	5.95	3.00	17.85
	1	4.25	3.00	12.75
	1	4.65	3.00	13.95
	1	6.35	3.00	19.05
	4	1.50	3.00	18.00
	2	15.00	0.60	18.00
	2	6.35	0.60	7.62
	2	4.90	0.45	4.41
	2	3.75	0.45	3.38
	2	5.95	0.45	5.36
	1	4.20	1.35	5.67
				294.33
DEDUCTION	1	2.00	2.10	**4.20**

		4	0.90		2.10	**7.56**	
		6	0.75		2.10	**9.45**	
		8	0.90		1.20	**8.64**	
		5	0.60		0.45	**1.35**	
						31.20	
					Tonne	263.13	195.48	51436.65

Basic Rate 181.00
Add Weightage 8% 14.48
Total 195.48

16 KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Item No 15.33 Page No 115

Vide Item No 14 + 15

				353.57	27.00	9546.39
					Cum	

Basic Rate **25.00**
Add Weightage 8% **2.00**
Total **27.00**

17 KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.12 page No 113

		2	15.40		3.75	115.50	
		2	6.75		3.75	50.63	
		2	15.40		0.20	6.16	
		2	6.35		0.20	2.54	
		1	4.20	1.35		5.67	
		2	1.35		0.10	0.27	
		16	1.20	0.45		8.64	
		16	0.45		0.10	0.72	
		8	1.20		0.10	0.96	
						191.09	
	Deductions	1	2.00		2.10	4.20	
		8	0.90		1.20	8.64	
		5	0.60		0.45	1.35	
						14.19	
						176.90	221.40	39164.55
							Sqm	

Basic Rate **205.00**
Add Weightage 8% **16.40**
Total **221.40**

18 KSRB 4-1.4 : Providing and laying in position plain cement concrete of mix 1:5:10 with OPC cement @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.4 Page No 12.

	1	1.60	1.30	0.10	0.21		
	1	1.30	1.15	0.10	0.15		
	1	1.30	1.10	0.10	0.14		
	1	4.70	4.40	0.10	2.07		
	1	6.15	3.55	0.10	2.18		
	1	5.75	4.45	0.10	2.56		
	1	4.05	1.50	0.10	0.61		
	1	1.30	1.30	0.10	0.17		
					8.09	5099.76	41241.76

Basic Rate	4722.00
Add Weightage 8%	377.76
Total	5099.76

19 Providing and fixing colour glazed tiles all sizes 10mm thick for flooring trades of steps and landing laid on a bed of 12mm thcik cement mortor 1:3 mix Flush pointing using white cement with Maching colour piment including cost of materials labours curing complete as per specification Item No 14.36.1 Page No 106

1	1.80	1.50		2.70		
1	1.70	1.35		2.30		
1	1.50	1.30		1.95		
1	1.50	1.50		2.25		
3	0.75	0.20		0.45		
				9.65	999.00	9635.36

Basic Rate	925.00
Add Weightage 8%	74.00
Total	999.00

20 KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick Item No 14.41.1 Page No 106

Wash	2	1.80		2.00	7.20		
	2	1.50		2.00	6.00		
	2	1.50		2.00	6.00		
	2	1.30		2.00	5.20		
	4	1.50		2.00	12.00		
					36.40		
Deduction (-) -D							
Door	3	0.70		2.00	4.20		
					32.20	1157.76	37279.87

Basic Rate	1072.00
Add Weightage 8%	85.76
Total	1157.76

KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer
21 after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Item 15.49.1 Page No 117.

ITEM NO 16

	Net Qty	353.57	76.68	27111.75

Basic Rate	71.00
Add Weightage 8%	5.68
Total	76.68

KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly
22 brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Item No 15.53.1

VIDE ITEM NO 17

	176.90	90.72	16047.91
		Sqm	

Basic Rate	84.00
Add Weightage 8%	6.72
Total	90.72

KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm
23 diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.2 Page No 77.

20	20.00		
	20.00	4682.88	93657.60

Basic Rate	4336.00
Add Weightage 8%	346.88
Total	4682.88

KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps
24 complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.7 _Page No 78.

3	3.00		
	3.00	4456.08	13368.24
		Nos	

Basic Rate	4126.00
Add Weightage 8%	330.08
Total	4456.08

KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm
25 C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.23 Page No 80.

	3		3.00		
			3.00	4196.88	12590.64
				Sqm	

Basic Rate	3886.00
Add Weightage 8%	310.88
Total	4196.88

Administrative Approval
Accorded For Seventeen Lacs only
Head of A/C P32JD
CER NO AS(16)17-18 Dt:13/03/18

TA CE (YNK)

KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class
26 including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 Item No 13.1 Page No 90

	1	50.00	50.00		
		Net Qty	50.00	199.80	9990.00
				Mtr	

Basic Rate	185.00
Add Weightage 8%	14.80
Total	199.80

Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer
27 Black or Blue and inner White layer of approved quality and make conforming to I.S.I./ISO/SSI specifications. Item No 37.58. Page No 265.

TECHNICAL SANCTION
Accorded For Rs. Seventeen Lakhs only
Head of A/c P-32JD
Div. Ref. No. 299/17-18 Date 13/03/18
EE(BTP) 13/03
AE

	1	1000.00	1000.00		
		Net Qty	1000.00	6.48	6480.00
				ltr	

Basic Rate	6.00
Add Weightage 8%	0.48
Total	6.48

KSRB13-6.2-2 : Providing and fixing in position brass stop cock of approved quality
28 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 Item No 13.27

	10		10.00		
		Net Qty	10.00	158.24	1582.42
				Rmtr	

Basic Rate	146.52
Add Weightage 8%	11.72
Total	158.24

	SUB TOTAL	1529530.95
29 KRIDL CHARGES 11%		168248.40
31 Miscellaneous & Unforeseen Charges	Ls	2220.65
Total		17,00,000.00

CERTIFICATE
1. I personally inspected the spot and prepared the estimate
2. The estimate is prepared based on PWD/ PRED SR 2016-17 Bangalore Circle
3. The above area comes under BBMP, Bommanahalli Zone.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೊಮ್ಮನಹಳ್ಳಿ ವಲಯ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬೊಮ್ಮನಹಳ್ಳಿ ವಲಯ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

Executive Engineer